**Private Participation in the NES Sector**

2139. SHRI T.T.V. DHINAKARAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state.

(a) the total annual energy generation from all non-conventional energy sources in the country;

(b) the percentage of that energy produced in Government sector; and

(c) the steps taken to increase private participation in this sector?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) Over 10 billion units of electricity were generated in the country from grid interactive renewable power plants during 2003-2004.

(b) and (c) About two-third share in grid interactive renewable power generation comes from the private sector and one-third from the Government. To encourage private investment, financial and fiscal incentives which include accelerated depreciation, relief from taxes and duties are being provided. In addition, preferential tariff is given to grid interactive renewable power in respective States.

**Schemes/projects to encourage solar energy**

2140. SHRI K. RAMA MOHANA RAO: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state.

(a) the schemes/projects being implemented in the pipe line in rural areas to encourage solar enegry for various use;

(b) the money spent on such projects during the last two years, Statewise; and

(c) the details of power generation by non-conventional method being used in the rural areas?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) The Government of India has been implementing the following schemes/ programmes to encourage use of solar energy in the country including rural areas, for variety of applications such as lighting, water pumping, community entertainment, cooking, drying heating water, etc:

1. Solar Photovoltaic Demonstaration & Utilization Programme.

2. Solar Water Pumping Programme.

3. Remote Village Electrification (RVE) Programme.

4. Solar Thermal Programme.

5. Solar Power Programme.

(b) The State wise details of funds released under these programmes are given in the Statement (*See* below).

(c) An aggregate capacity of 61 MW equivalent from Biomass Gassifiers, 4.5 MW from Small Hydro Power Plants and 40 MWp from Photovoltaic systems/Power Plants have been established in the country for decentralized applications including power generation in rural areas. In addition, 1744 remote villages and 572 hamlets have also been electrified using these technologies.

***Statement***

*State-wise release of funds under solar energy related programme during 2002-2003 and 2003-04 (Rs. in Lakhs)*

| Sl.No. | States/UTs | Release of funds during year 2002-03 | Release of funds during year 2003-04 |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 1. | Andhra Pradesh | 305.70 | 38.76 |
| 2. | Arunachal Pradesh | 151.69 | 148.33 |
| 3. | Assam | 89.55 | 336.70 |
| 4. | Bihar | 4.00 | 1.37 |
| 5. | Chhattisgarh | 621.67 | 417.66 |
| 6. | Goa | — | 18.63 |
| 7. | Gujarat | 222.69 | 85.94 |
| 8. | Haryana | 273.76 | 276.60 |
| 9. | Himachal Pradesh | 135.06 | 113.13 |
| 10. | Jammu & Kashmir | 109.63 | 648.48 |
| 11. | Karnataka | 108.07 | 161.17 |
| 12. | Kerala | 0.82 | 35.16 |
| 13. | Madhya Pradesh | 119.15 | 16.38 |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 14. | Maharashtra | 37.53 | 331.48 |
| 15. | Manipur | 738.23 | 220.53 |
| 16. | Meghalaya | 329.45 | 183.53 |
| 17. | Mizoram | 57.33 | 43.32 |
| 18. | Nagaland | 0.80 | — |
| 19. | Orissa | — | — |
| 20. | Punjab | 65.25 | 23.71 |
| 21. | Rajasthan | 487.23 | 560.19 |
| 22. | Sikkim | 20.90 | 40.56 |
| 23. | Tamil Nadu | 116.00 | 552.49 |
| 24. | Tripura | 382.64 | 934.86 |
| 25. | Uttar Pradesh | 718.14 | 1580.46 |
| 26. | Uttaranchal | 563.86 | 1035.38 |
| 27. | West Bengal | 603.47 | 2762.70 |
| 28. | A&N Islands | — | — |
| 29. | Chandigarh | 7.71 | 16.89 |
| 30. | Delhi | 11.57 | 3.09 |
| 31. | Lakshadweep | — | — |
| 32. | Pondicherry | 4.94 | 4.10 |
| 33. | Jharkhand | 108.60 | 837.41 |
| 34. | Others (BHEL, BEL, CEL & Others NGOs) | 593.18 | 140.45 |

**Implementation of NES Projects in West Bengal**

2141. SHRI CHITTABRATA MAJUMDAR:
SHRI DIPANKAR MUKHERJEE:

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the total amount of subsidy and loan released to West Bengal during the last three years for development of non-conventional energy sources under different categories of non-conventional sources;

(b) the amount planned to be released during the year 2004-2005; and

(c) the status of implementation of projects with likely date of completion?